

IN THE CLAIMS:

Please amend claim 16 and 19 and add new claims 31-32 as follows:

16. (amended) Isolated neurotrypsins having the sequences of formulas I and II:

C8 sub D
I: neurotrypsin of the human (SEQ ID NO: 1); and
II: neurotrypsin of the mouse (SEQ ID NO: 3).

19. (amended) A method for the development of pharmaceutical drugs comprising,

C9
providing isolated proteins having the coded amino acid sequences of SEQ ID NOS: 1
or 3 and using said proteins as targets for said pharmaceutical drugs.

sub D
Please add new claims 31-32 as follows:

sub D
31. (new) The method of claim 19, wherein said pharmaceutical drugs inhibit or
enhance the catalytic activity of the coded proteins having the coded amino acid sequences of
SEQ ID NOS: 1 or 3.

C10
32. (new) The method of claim 19, wherein said proteins having the coded amino
acid sequences of SEQ ID NOS: 1 or 3 are obtained by purification of a natural source, or are
produced by recombinant protein expression using eucaryotic or procaryotic expression
vectors, followed by purification of the proteins.